

What is claimed is:

1. A method for video indexing using high quality audio clips, comprising:
acquiring high quality audio clips during an audio/video sequence recording using
an audio/video acquisition device;
- 5 processing and transmitting the audio/video sequence and the high quality audio
clips using a joint audio/video processing pipeline; and
indexing the audio/video sequence using the high quality audio clips, wherein a
user can selectively view the audio/video sequence using the high quality audio clips as
video indices.
- 10 2. The method of claim 1, further comprising playing the high quality audio clips in
high quality sound.
3. The method of claim 1, wherein the acquiring step includes acquiring the high
quality audio clips during the audio/video sequence recording by receiving selection of a
button on the audio/video acquisition device.
- 15 4. The method of claim 1, further comprising storing the audio/video sequence, the
high quality audio clips, and indexing information in a storage.
5. The method of claim 4, wherein the storing step includes storing the audio/video
sequence, the high quality audio clips, and the indexing information in a local storage on
the audio/video acquisition device.
- 20 6. The method of claim 4, wherein the storing step includes storing the audio/video
sequence, the high quality audio clips, and the indexing information on a computer
connected to a network.
7. The method of claim 6, further comprising sending the audio/video sequence, the
high quality audio clips, and the indexing information to other users through the network,
25 whereby the other users can selectively view the audio/video sequence using the high
quality audio clips as the video indices.
8. The method of claim 6, further comprising sending the audio/video sequence, the
high quality audio clips, and the indexing information to other users through the network,
whereby the other users can play the high quality audio clips in high quality stereo sound.
- 30 9. The method of claim 1, further comprising using a computer to selectively
allowing viewing the audio/video sequence using the high quality audio clips as the video
indices.

10. The method of claim 9, further comprises receiving selection of an icon associated with one of the high quality audio clips from the computer to start viewing the audio/video sequence from a point in time associated with the high quality audio clip.

11. An apparatus for video indexing using high quality audio clips, comprising:

5 an audio/video acquisition device capable of acquiring high quality audio clips during an audio/video sequence recording;

a joint pipeline capable of processing and transmitting the audio/video sequence and the high quality audio clips in parallel; and

10 a storage capable of storing the audio/video sequence, the high quality audio clips, and indexing information for retrieval by a user,

wherein the user can selectively view the audio/video sequence using the high quality audio clips as video indices.

12. The apparatus of claim 11, further comprising a computer that is used to selectively view the audio/video sequence using the high quality audio clips as the video
15 indices.

13. The apparatus of claim 11, further comprising a network capable of sending the audio/video sequence, the high quality audio clips, and the indexing information to other users, whereby the other users can selectively view the audio/video sequence using the high quality audio clips as the video indices.

20 14 The apparatus of claim 12, wherein the storage is a computer connected to the network.

15. The apparatus of claim 11, wherein the audio/video acquisition device is a video camera.

25 16. The apparatus of claim 11, wherein the audio/video acquisition device further comprises one or more microphones for recording a particular audio clip in high quality audio sound during the audio/video sequence recording.

17. The apparatus of claim 11, wherein the audio/video acquisition device further comprises a button to be pressed for recording the high quality audio clips with the indexing information during the audio/video sequence recording.

30 18. A computer readable medium providing instructions for video indexing using high quality audio clips, the instructions comprising:

recording high quality audio clips along with an audio/video sequence and indexing information using a joint audio/video processing pipeline; and

indexing the audio/video sequence using the high quality audio clips, whereby a user can selectively view the audio/video sequence using the high quality audio clips as video indices.

19. The computer readable medium of claim 18, further comprising instructions for
5 displaying the high quality audio clips on a display device as labeled icons for easy indexing.

20. The computer readable medium of claim 17, further comprising instructions for
10 sending the audio/video sequence, the high quality audio clips, and the indexing information to other users through a communications channel, whereby the other users can selectively view the audio/video sequence using the high quality audio clips as the video indices.

2016-07-29 15:47:09